



Blackboard

## Cumulative Update 3 for Blackboard Learn, 9.1 Q4 2015

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**Product:** Blackboard Learn

### Announcement Details:

Blackboard is pleased to announce the availability of Cumulative Update 3 for the Blackboard Learn 9.1, Q4 2015 Release (Build: 9.1.201510.1176878). Please review this entire bulletin for important details regarding installation instructions and contents of this Cumulative Update.

### **Beginning with Cumulative Update 2 for Blackboard Learn 9.1, Q4 2015, the patch installation utilizes an installer instead of the BbPatch Utility.**

This process makes it easier to distribute Cumulative Updates on the 9.1 Q4 2015 release. Additionally, Blackboard will be able to resolve more issues per Cumulative Update providing better quality and all Building Blocks will now be updated during the installation. There are no additional steps needed to update Building Blocks after the Cumulative Update is applied.

Please review this entire bulletin for important details regarding installation instructions and contents of this Cumulative Update.

### Issues Resolved

Blackboard Learn Cumulative Updates are focused specifically on changes where a tool or feature is not functioning as designed (software bugs), for performance, or to harden security. New functionality is not introduced as part of a Cumulative Update. There is an intent to minimize change to user interfaces as part of these Cumulative Updates so there is not an impact to end user support or documentation. Exceptions are occasionally made—for security hardening and performance in particular—and this Cumulative Update is an example of such an exception.

In this CU, there are two email interface changes in the Content Collection. These changes were made to address vulnerabilities that could allow a Learn server to generate spam from a malicious source when some individual user accounts are compromised. The specifics of changes to the Content Collection are outlined below:

- The Content Collection's **Email Item** feature now behaves more similarly to common file sharing solutions such as OneDrive and Dropbox when sharing links with others. Links to the files are sent to the recipients, but the sender can no longer delete the link URLs and potentially replace with spam content.
- The freeform email tool found in the Content Collection's Collaboration (Workflows) area is no longer visible. This tool provided no user directory or contextual information for emailing, so it provided no benefit over using a preferred email client and was therefore rarely used. Other email tools and functions are unchanged.
- The default setting for the Content Collection's **Email Items** functionality is now 'No' for new installations. Upgrades are unaffected. Administrators can change this setting in **Administrator Panel > Display Options** (Content Management module) > **Content List Display Items**.

Additionally, changes have been made to improve the performance of the content file indexer which has resulted in a user interface change for administrators. In this CU, the index process used by the Content Collection or Course Files feature—also known as Xythos—is “smarter.” When new files are added, the indexer picks up on those events and indexes the files automatically. The indexer will also run if the index is determined to be out of date. These changes replace the scheduled indexer and are being implemented as part of a Cumulative Update in order to address index performance issues on very large Blackboard Learn environments. This results in two specific changes as part of this CU:

- Administrators will no longer see the **Full Text Search Settings** configuration page in the **Technical Settings** configuration found in the Administrator panel because this was used to configure a scheduled index job, which now no longer exists.
- The server command-line script **full-text-index.sh**, used by some administrators to schedule index processes, has been removed.

### **Cumulative Update 3 for Blackboard Learn 9.1, Q4 2015 includes resolution to the following issues:**

- A set of security fixes to core features of Learn 9.1. After the issues are released through all supported 9.1 versions through a Cumulative Update or Building Block, a Security Bulletin will be released to provide details on the individual fixes.
- Survey with Open Entry Question and Answer Field Size Large (1000) Fails to Display to End Users - Article # [41731](#)
- Letter Grades for Weighted Calculated Columns in Downloaded Work Offline Spreadsheet Do not Match the Grade Center - Article # [41940](#)
- Scorm Fails to Pass Scores - Article # [42627](#)
- When Deleting a Group Wiki from Course Tools and Setting it to Available, the Wiki is Displayed and Errors when Accessing it - Article # [35527](#)
- Cursor Jumping Issue can Still be Replicated on Internet Explorer 11 - Article # [42689](#)
- Course Copies do not Bring Linked Files Forward - Article # [39367](#)
- Unable to Save Portfolio Section - Article # [42625](#)
- Users with Forum Role of Manager Receive Access Denied Error when Attempting to Access an Unavailable Forum - Article # [42520](#)
- Enabling and Disabling Delegated Grading Prevents Students from Accessing Files Attached to Grade Feedback - Article # [40475](#)
- Due Dates Added/Edited on Assignments via the Tool do not Display in the To Do Module - Article # [41693](#)
- Not Applicable Field in Enterprise Survey Matrix Questions is Incorrectly Counted when Analyzing Results - Article # [41762](#)
- Unresponsive Script Error when Adding 250 or more Courses to Enterprise Survey Response Period - Article # [41545](#)
- Repeated Data Integration Lucene Indexing Log Messages - Article # [41207](#)
- Attempting to Access Community Discussion Board Throws Null Point Exception Error - Article # [42792](#)
- LIS BulkDataExchange Fails to Download File from PeopleSoft SAIP - Article # [41330](#)
- When Performing a Course Copy into an Existing Course, only 100 Files are Copied to the Destination Course - Article # [42867](#)
- Overall Summary of User Activity Shows no data for last day of Report - Article # [39418](#)
- Error Received when Running Rotatologs Script - Article # [39532](#)
- Daily Notification Emails Received too late - Article # [42001](#)
- Outcomes Export and Download Results Missing Rubric Feedback Selection and Point Data - Article # [42101](#)
- Multiple Choice Polls do not Update Results when Set to Allow Asynchronous Loading - Article # [41941](#)
- Users with a Custom System Role are Unable to Upload Files to Courses - Article # [33836](#)
- LIS 2.0 ReadResultIdsForLinItemWithLinItemTypeRequest is Returning More Than the Expected External Grade Column - Article # [42880](#)
- IMS Import does not Include Local Files from the Content in the Destination Course - Article # [38442](#)
- Error Accessing Rubrics During Outcomes Evaluation Session - Article # [42723](#)
- Collaboration Email within Content Collection cannot be Disabled - Article # [42981](#)
- Deleted Group Leaves Orphaned Group Attempts that Breaks Needs Grading - Article # [42834](#)
- MyGrades Building Block SQL Query Causing Performance Issues - Article # [42760](#)
- Enterprise Survey is Cached as Blank Page - Article # [42133](#)
- Issue Navigating Away From Grading Attempt in Grade Center - Article # [42466](#)
- Apostrophe Entered in Content Editor Converts to HTML Code - Article # [42049](#)
- Unable to Create New Collaborate Session in Arabic LP from Course Tools and the Default System Calendar is Gregorian - Article # [40625](#)

- Using - Browse Content Collection - to add Files to Content Area does not Display over 100 Items in a Folder - Article # [42604](#)
- Long Processing SQL on ods\_cbe\_rubric\_eval\_dim\_tp - Article # [42289](#)
- Query 8b6nybbwfyrmq associated with multiple outages - Article #
- Total Column not Rounding to Expected Letter Grade - Article # [40642](#)
- Disabled User from Course Receives Email Notification from Subscribed Threads in Discussion Boards After Applying Patch - Article # [42812](#)
- Adding Multiple Institution Roles or Users to Folder Permissions Results in only First One Being Added - Article # [39860](#)
- Accessing Grade Center Throws Content Management System and Crocodoc Errors - Article # [42545](#)
- Unable to Export Rubrics - Article # [38148](#)
- Users see Modules Available After Disabling Secondary Roles - Article # [21745](#)
- Upgrade for FullTextIndex in Development - Article # [42500](#)
- Matrix Question Row Options Within Enterprise Survey Results Show Unicode Characters - Article # [23548](#)
- Learn 9.1 Q2 2016 CU3 Users who are Enrolled in Multiple Child Courses of the Same Parent Course Cause Issues when SIS Snapshot Flat File is Run - Article # [43001](#)
- Artifacts Within an Evidence Collection are not Being Collected - Article # [39816](#)
- A Null in course\_users.enrollment\_date Makes Users Unable to Logout - Article # [42058](#)
- English US Dictionary: Obscenity is Being Suggested as a Spelling Correction - Article # [43005](#)
- SVG Files Uploaded via a WebDAV Client are Being Given an Incorrect Mime-type - Article # [39530](#)
- scormbbattempttoinstance Records Throwing SCORM Error - Article # [42873](#)

#### Related Link(s):

#### Updated Building Blocks

Building Block	Version
Mobile	94.9.3
SafeAssign	4.0.19
Partner Cloud	1.7.2015101304

#### Change Management Resources

- **Self-hosted clients** can download the latest build on the [Download Files](#) page. **Beginning with Cumulative Update 2 for Blackboard Learn 9.1, Q4 2015, the patch installation uses an installer instead of the BbPatch Utility. Before applying the Cumulative Update, please take a system backup and make sure you have a backup plan in place. This also requires your system to be down for the upgrade/install. Further installation instructions can be found [here](#).**
- **Managed Hosting clients** may submit a case on Behind the Blackboard to schedule implementation of this release.

#### Upgrade Paths for Clients Already on Blackboard Learn, Release 9.1

Existing Blackboard Learn, Release 9.1 clients can upgrade from the following versions to 9.1 Q4 2015 CU3 (Build: 9.1.201510.1176878)

- Blackboard Learn, 9.1 Q4 2015
  - [9.1 Q4 2015 Cumulative Update 2](#)
  - [9.1 Q4 2015 Cumulative Update 1](#) (LRNSI-21344)
  - [9.1 Q4 2015](#) (Build: 9.1.201510.1171621)

- Blackboard Learn, 9.1 October 2014
  - [9.1 October 2014 Cumulative Update 5](#) (Build:9.1.201410.1175253)
  - [9.1 October 2014 Cumulative Update 4](#) (LRNSI-20367)
  - [9.1 October 2014 Cumulative Update 3](#) (LRNSI-20017)
  - [9.1 October 2014 Cumulative Update 2](#) (LRNSI-18588)
  - [9.1 October 2014 Cumulative Update 1](#) (LRNSI-18409)
  - [9.1 October 2014](#) (Build: 9.1.201410.160373)

If you are a self-hosted client on a Blackboard Learn 9.1 release prior to October 2014 you will need to upgrade to 9.1 October 2014 before you can upgrade to Learn 9.1 Q4 2015 CU3.

## Upgrade Paths for Clients New to Blackboard Learn, Release 9.1

If you are upgrading from one of the releases listed below, please refer to the [Upgrade Center](#) for information to help you plan for this move. There are planning, training, and communication materials available to make this upgrade as smooth as possible. Please reference next steps based on your current release. For those migrating from Blackboard Learn, Release 9.0 or Blackboard Academic Suite, Release 8.0, please ensure you include migrating to a 64-bit environment in your upgrade plans.

- **Blackboard Learn, Release 9.0:** You can upgrade to Blackboard Learn, Release 9.1, Service Pack 9 (Build: 9.1.90132.0) from Blackboard Learn, Release 9.0, Service Pack 7 (Build: 9.0.692.0). You can then upgrade from Release 9.1, Service Pack 9 to Service Pack 12 (Build: 9.1.120113.0) to April 2014 (9.1.201404.160205). From April 2014, you can upgrade to Release 9.1, October 2014 or Q4 2015, then to 9.1 Q4 2015 CU2.
- **Blackboard Academic Suite, Release 8.0 or lower:** You can upgrade to Blackboard Learn, Release 9.1, Service Pack 9 (Build: 9.1.90132.0) from Release 8.0, Service Pack 7 Hotfix 2 (Build: 8.0.494.35) without needing to upgrade to Release 9.0 first. You can then upgrade from Release 9.1, Service Pack 9 to Service Pack 12 to April 2014 (9.1.201404.160205). From April 2014, you can upgrade to Release 9.1, October 2014 or Q4 2015, then to 9.1 Q4 2015 CU2.
- **Blackboard Learning System CE 8.0 and Vista 8.0 Licenses:** You must be on Service Pack 6 (Build: 18.0.6.116) to effectively use course conversion capabilities.
- **Blackboard Learn, ANGEL Edition:** You must be on any ANGEL 8.0 or ANGEL 7.4 release to effectively use course conversion capabilities.

If you are a self-hosted client on a release that is earlier than Blackboard Learn 9.1 Service Pack 6, and you also use Oracle, there is a pre-upgrade utility that will minimize your downtime during this upgrade. Please consult the 9.1 Service Pack 6 Release Notes and the [Readme for the Pre-Upgrade Utility for Oracle](#) for more information on this utility.

### Note:

This upgrade installs the file blackboard/config/message-queue-service-config.xml.bb using Kaha (file based) persistence for ActiveMQ. If you had previously switched ActiveMQ to using JDBC (database) persistence, you will need to re-apply the message-queue-service-config.xml.bb file changes then run PushConfigUpdates. This must be done on all servers in a load balanced environment (stop services on all when making the switch – do not do this in a ‘rolling’ fashion).

### See:

- Article #42459 - [Setting up Lease Based JDBC Persistence for ActiveMQ](#)

For a more detailed explanation of the all the changes and new features included with this release, please reference the 9.1 Q4 2015 GA Release Notes, Previous Cumulative Update Announcements, and related documentation.

[Download Files](#)

[Q4 2015 GA Release Notes](#)

[Supported Technologies](#)

[Browser Support in Q4 2015](#)

